

Title (en)
CONSTRUCTION MACHINE

Title (de)
BAUMASCHINE

Title (fr)
MACHINE DE CONSTRUCTION

Publication
EP 3839267 A1 20210623 (EN)

Application
EP 20765841 A 20200218

Priority
• JP 2020006185 W 20200218
• JP 2019041060 A 20190306

Abstract (en)
To make it possible to prevent a decrease in work speed due to a decrease in the speed of a given actuator when an operator unintentionally performs a fine operation of the control lever of the other actuator in a state in which the given actuator is driven by the hydraulic fluid delivered from a plurality of pumps, a controller (41) sets, as a composite dead zone line serving as a boundary of a composite dead zone, a composite dead zone line such that as an operation amount in one direction of a control lever (12L) or (13L) of a control lever device (12) or (13) is increased, the width of the composite dead zone corresponding to an operation amount in the other direction of the control lever is widened, and corrects the operation amount in the other direction such that the demanded flow rate of an actuator increases from zero, when the control lever is operated in the other direction in a state in which the operation amount in the one direction of the control lever remains within a range of the composite dead zone, and the operation amount in the other direction exceeds the composite dead zone line.

IPC 8 full level
F15B 11/17 (2006.01); **E02F 9/22** (2006.01)

CPC (source: EP US)
E02F 9/2004 (2013.01 - EP); **E02F 9/2012** (2013.01 - US); **E02F 9/2203** (2013.01 - US); **E02F 9/2228** (2013.01 - EP US); **E02F 9/2235** (2013.01 - EP US); **E02F 9/2242** (2013.01 - EP); **E02F 9/226** (2013.01 - EP); **E02F 9/2267** (2013.01 - US); **E02F 9/2271** (2013.01 - US); **E02F 9/2289** (2013.01 - EP US); **E02F 9/2292** (2013.01 - US); **E02F 9/2296** (2013.01 - US); **F15B 7/001** (2013.01 - EP); **F15B 7/003** (2013.01 - EP); **F15B 7/006** (2013.01 - EP); **F15B 11/0426** (2013.01 - EP); **F15B 11/17** (2013.01 - EP US); **F15B 19/002** (2013.01 - EP US); **F15B 21/087** (2013.01 - EP); **F15B 2211/20546** (2013.01 - EP); **F15B 2211/20561** (2013.01 - EP); **F15B 2211/20569** (2013.01 - EP); **F15B 2211/20576** (2013.01 - EP US); **F15B 2211/265** (2013.01 - US); **F15B 2211/2654** (2013.01 - EP); **F15B 2211/27** (2013.01 - EP); **F15B 2211/41572** (2013.01 - EP); **F15B 2211/426** (2013.01 - EP); **F15B 2211/6346** (2013.01 - EP); **F15B 2211/6652** (2013.01 - EP); **F15B 2211/6654** (2013.01 - EP); **F15B 2211/7135** (2013.01 - EP); **F15B 2211/7142** (2013.01 - EP); **F15B 2211/75** (2013.01 - EP); **F15B 2211/8643** (2013.01 - EP)

Cited by
WO2023078925A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3839267 A1 20210623; **EP 3839267 A4 20220622**; **EP 3839267 B1 20230719**; CN 112639298 A 20210409; CN 112639298 B 20230221; JP 6998493 B2 20220118; JP WO2020179429 A1 20211118; US 11319693 B2 20220503; US 2022042279 A1 20220210; WO 2020179429 A1 20200910

DOCDB simple family (application)
EP 20765841 A 20200218; CN 202080004924 A 20200218; JP 2020006185 W 20200218; JP 2021503519 A 20200218; US 202017276734 A 20200218